

EXPRESS MAIL CERTIFICATE

Date 9/17/03 Label No. EV306628389-US

I hereby certify that, on the date indicated above, this paper or fee was deposited with the U.S. Postal Service & that it was addressed for delivery to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 by "Express Mail Post Office to Addressee" service.

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Name (Print)

Signature

Customer No.: 07278

File No. 03391/100E915-US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Daniel STOPLER

Confirmation No.: To be Assigned

Serial No.: To be Assigned

Group Art Unit:

Filed: Concurrently

Examiner:

For: **METHOD AND APPARATUS FOR ENCODING/FRAMING
FOR MODULATED SIGNALS OVER IMPULSIVE CHANNELS**

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In order to comply with 37 CFR 1.97 and 1.98, attached hereto is a copy of Form PTO-1449 and copies of the documents listed thereon. Applicant respectfully requests that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other

application relying on the filing date of the above-identified application or cross-referencing it as a related application.

The application claims the benefit of priority, under 35 U.S.C. § 121, of U.S. Non-Provisional Patent Application Serial No. 09/258,650, filed February 26, 1999, having an allowance date of April 22, 2003. The present Information Disclosure Statement is being submitted, on even date herewith of filing the application, to make of record the references submitted by Applicant during prosecution of the parent application.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each document cited (including any cited in Applicant's Specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing Form PTO-1449 next to the document. Such initialing is requested even if the Examiner does not consider a cited document to be sufficiently pertinent to use in a rejection, or otherwise does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application.

The present Information Disclosure Statement is being submitted in compliance with 37 CFR 1.56, but the citation of any document is not to be construed as an admission that such document is necessarily relevant or prior art. No representation is intended that the cited documents represent the results of a complete search, and it is anticipated that the Examiner, in the normal course of examination, will make an

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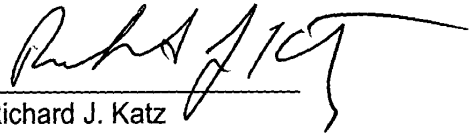
independent search and will determine the best prior art consistent with 37 CFR 1.104(a) and in the course of each search, will review for relevance every document cited on the attached form even if not initialed.

This Information Disclosure Statement should be considered, in accordance with 37 C.F.R. § 1.97, because it is being submitted within three months of the filing of the application, thus, the statutory fee under 37 C.F.R. 1.17(p) is not required. However, the Commissioner is authorized to charge any additional fees required in connection with this Petition or to credit any overpayment to Deposit Account No. 04-0100.

Early and favorable consideration is earnestly solicited.

Dated: September 17, 2003

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Richard J. Katz', written over a horizontal line.

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Docket No. 03391/100E915-US1

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	TO BE ASSIGNED
				Filing Date	Concurrently Herewith
				First Named Inventor	Daniel Stopler
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	03391/100E915-US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Bruce Currivan, et al., "Joint FA-TDMA/S-CDMA Upstream HI-PHY Proposal," IEEE 802.14a/99-001, January 8, 1999	
	CB	Chris Heegard, et al., "Practical Coding for QAM Transmission of HDTV," IEEE Journal on Selected Areas in Communications, Vol. 11, No. 1, January 1993, pp. 111-18	
	CC	Sergio Benedetto, et al., "Geometrically Uniform TCM Codes Over Groups Based on LxMPSK Constellations," IEEE Transactions on Information Theory, Vol. 40, No. 1, January 1994, pp. 137-152	
	CD	Terayon Communication Systems, "S-CDMA Response to Requested Technical Information," IEEE 802.14a/98-029, November 10, 1998	
	CE	William W. Wu, et al., "Coding for Satellite Communication" IEEE Journal on Selected Areas in Communications, Vol. SAC-5, No. 4, May 1987, pp. 724-748	
	CF	Dov Andelman, et al., "Variable Constellation Multitone Modulation (VCMT) Proposal for High Capacity Upstream Physical Layer," IEEE 802.14a/98-013, June 15, 1998	
	CG	Michael Grimwood and Paul Richardson, "S-CDMA as a High-Capacity Upstream Physical Layer," IEEE, 802.14A/98-016, June 15, 1998	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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